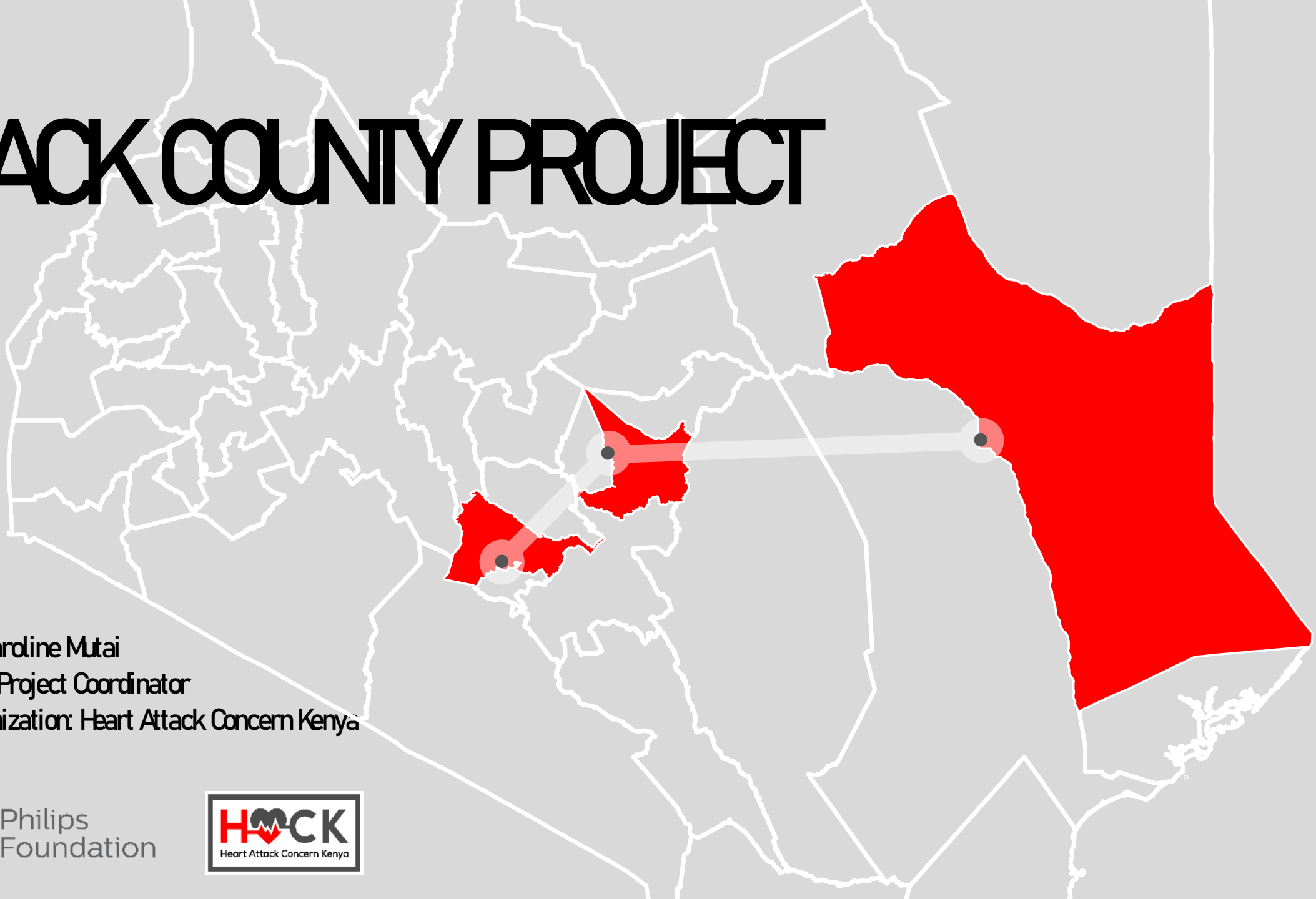
HACK COUNTY PROJECT



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Training of healthcare workers in select County hospitals on ACS and STEM diagnosis and management.

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Acknowledgement

- Philips Foundation
- Philips East Africa
- Ministry of health
- County Governments of Kiambu, Embu and Garissa

Project Overview

Aim: The Project aims to improve preparedness for recognition, diagnosis, prompt and appropriate treatment for heart attack patients in 3 counties, namely: Kiambu, Garissa and Embu

Intervention:

- Development of STEMI guidelines, training of health workers and mentorship
- Equipping of facilities with ECGs and training
- Strengthening heart attack referral systems
- Educating the public on recognition of heart attack symptoms and appropriate care
- M&E for learning and policy advocacy

Project duration: 12 months

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Background

A collaboration between Heart Attack Concern Kenya, Philips Foundation and County Government of Kiambu, Embu and Garissa

Main purpose was to improve access to timely and quality heart attack care for the inhabitants of the three pilot Counties

A baseline survey revealed inadequate skills and knowledge in ECG diagnosis and Acute Coronary Syndrome (ACS) care

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Objective

To equip the healthcare workers in the selected facilities with the necessary skills and knowledge:

- To perform and interpret an ECG.
- Knowledge on acute coronary syndrome.
- Management of complication of STEMI (ACLS and BLS) in the context of STEMI and its anticipated complications

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Training of Healthcare Workers: Methodology

Aim: Advance knowledge, understanding and skills of institutionally selected healthcare workers from the leading facilities of the three counties.

Phase 1

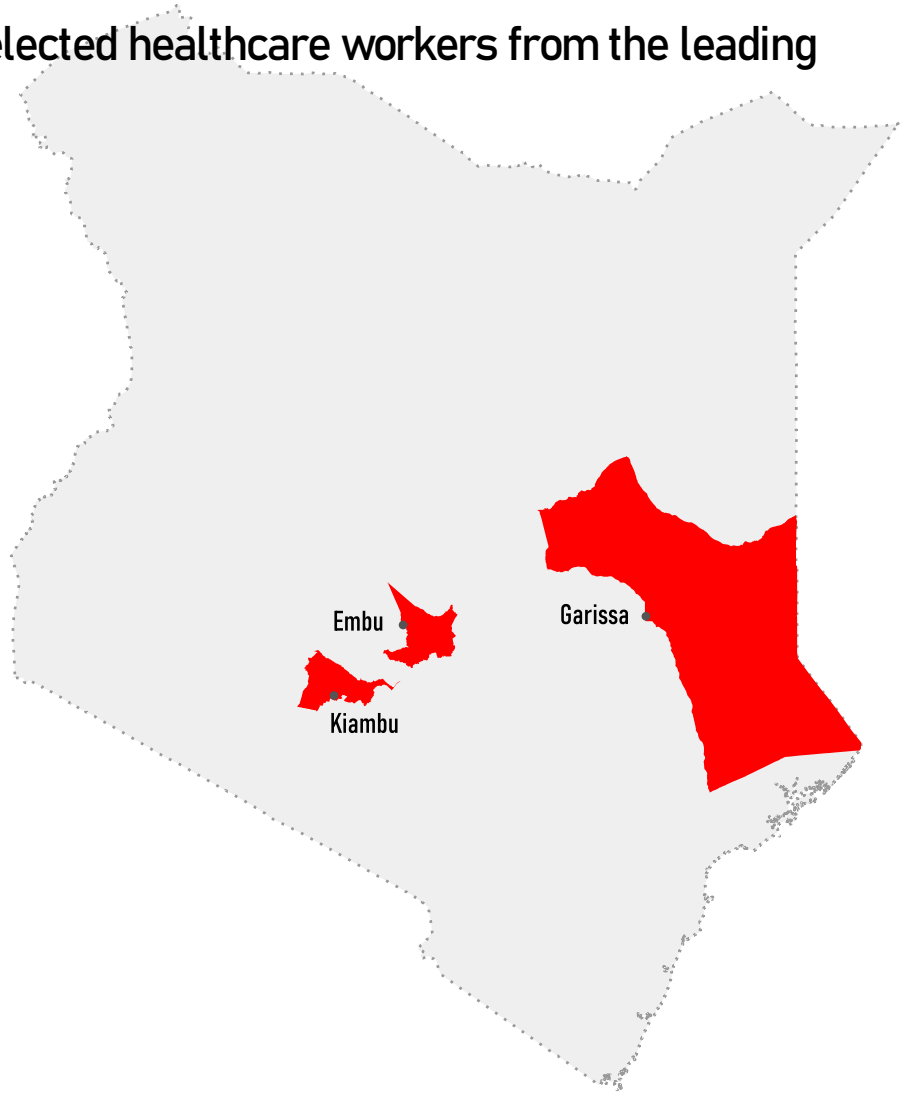
- Developed a modular ACS training course delivered largely virtually
- Three-hour webinar training session for three days

Phase 2

- Physical (Face to Face) training session for 2 days in each county.
- Focused hands-on training in a hybrid system

Topics Covered

- Fundamental of ECG
- Introduction to ACS
- Introduction to ACLS/BLS



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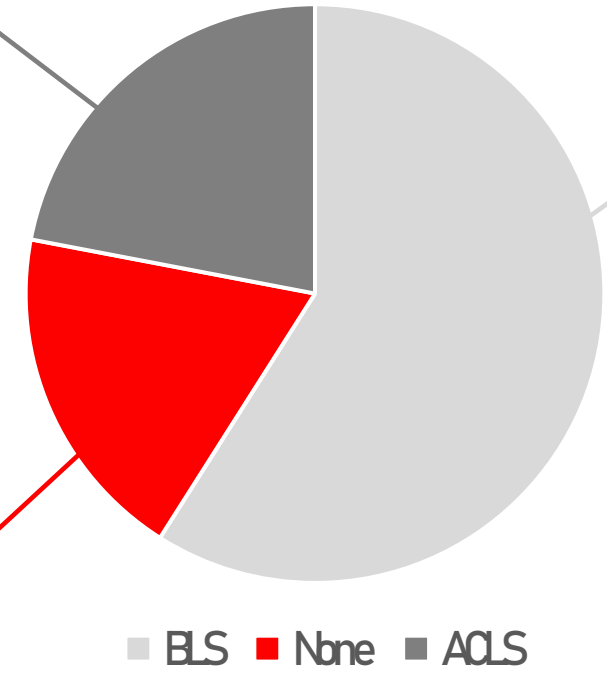
Training of Healthcare Workers

Pre-training Test Results

Prior life support training as per the 3 areas.

22% had Advanced Cardiac Life Support (ACLS



59% of healthcare workers had BLS training

19% had no prior training on life support

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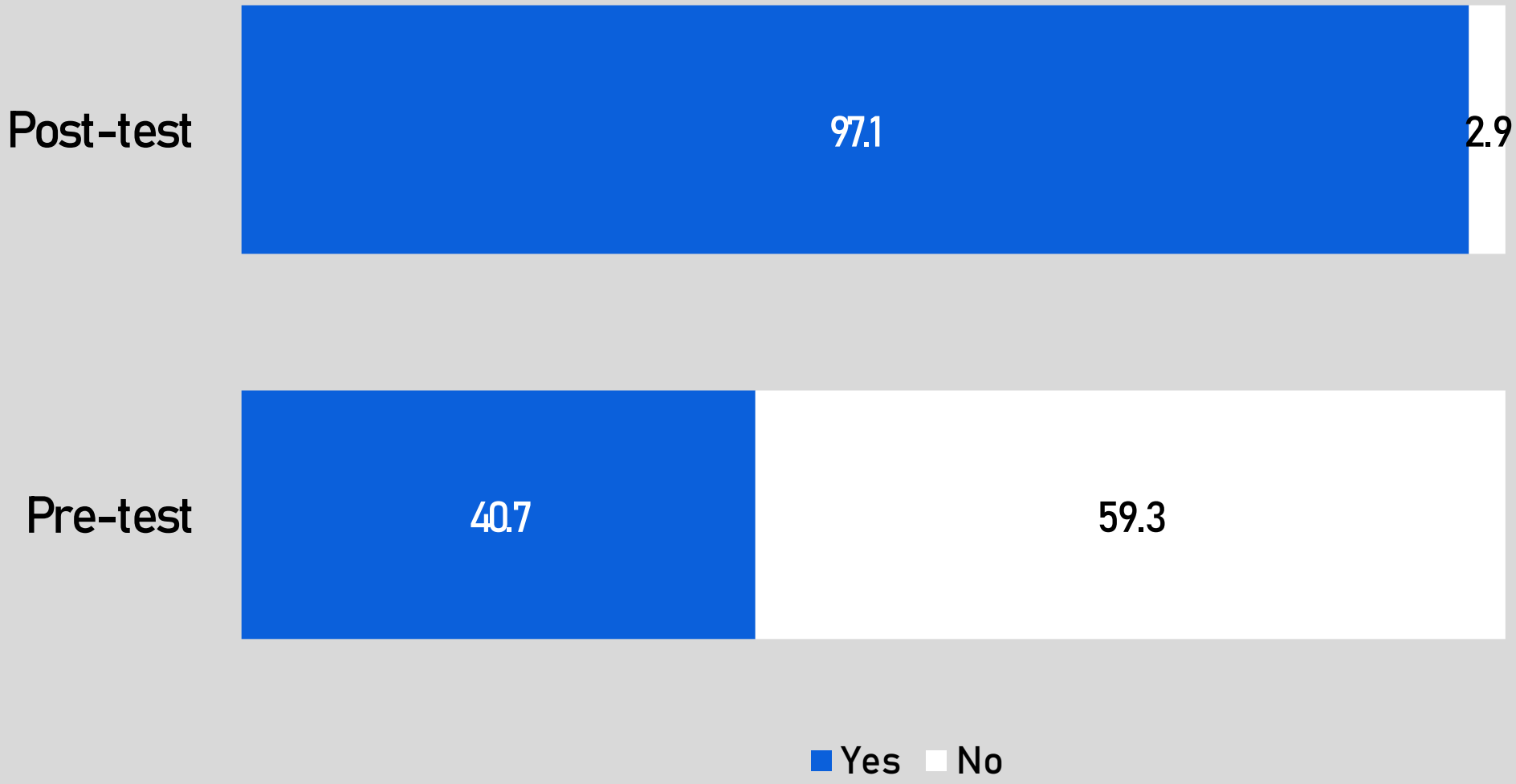
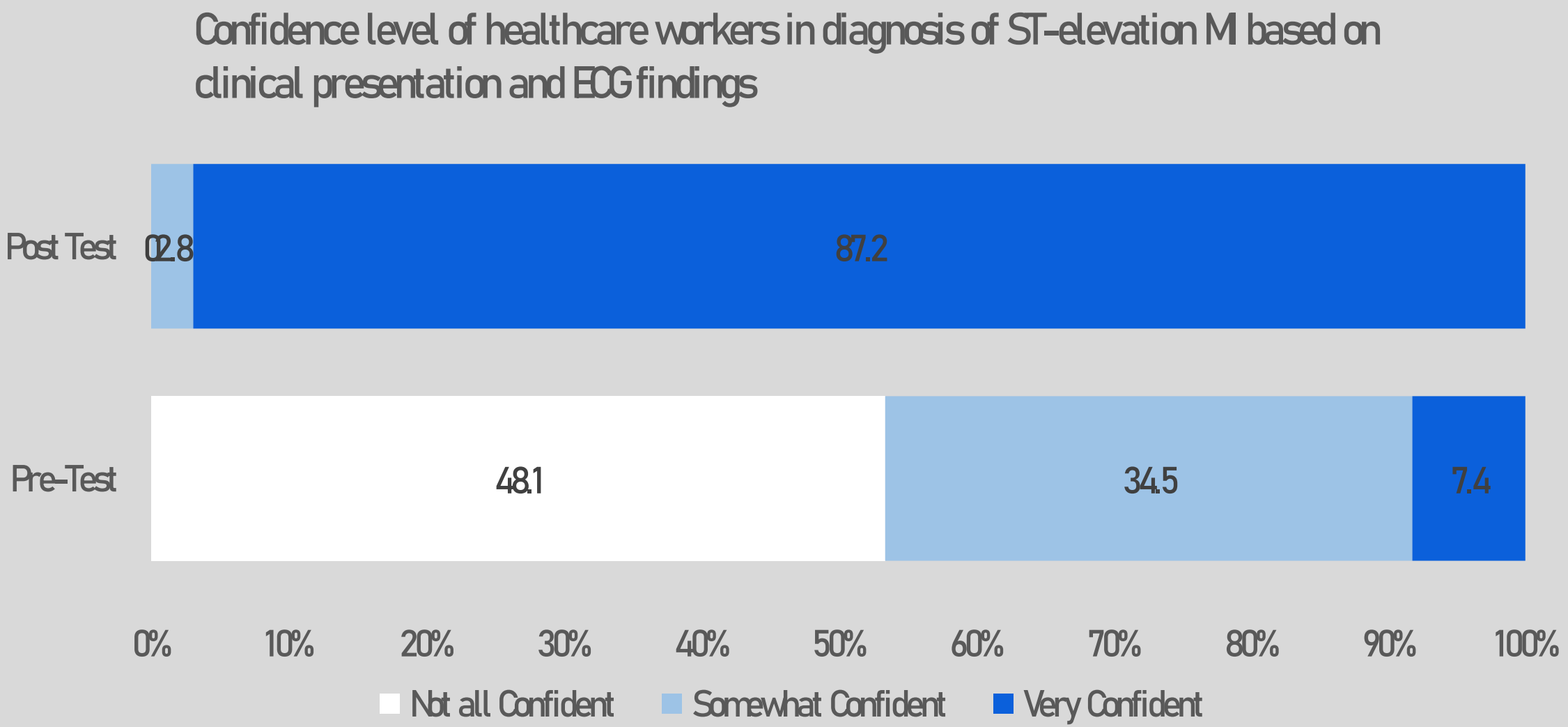
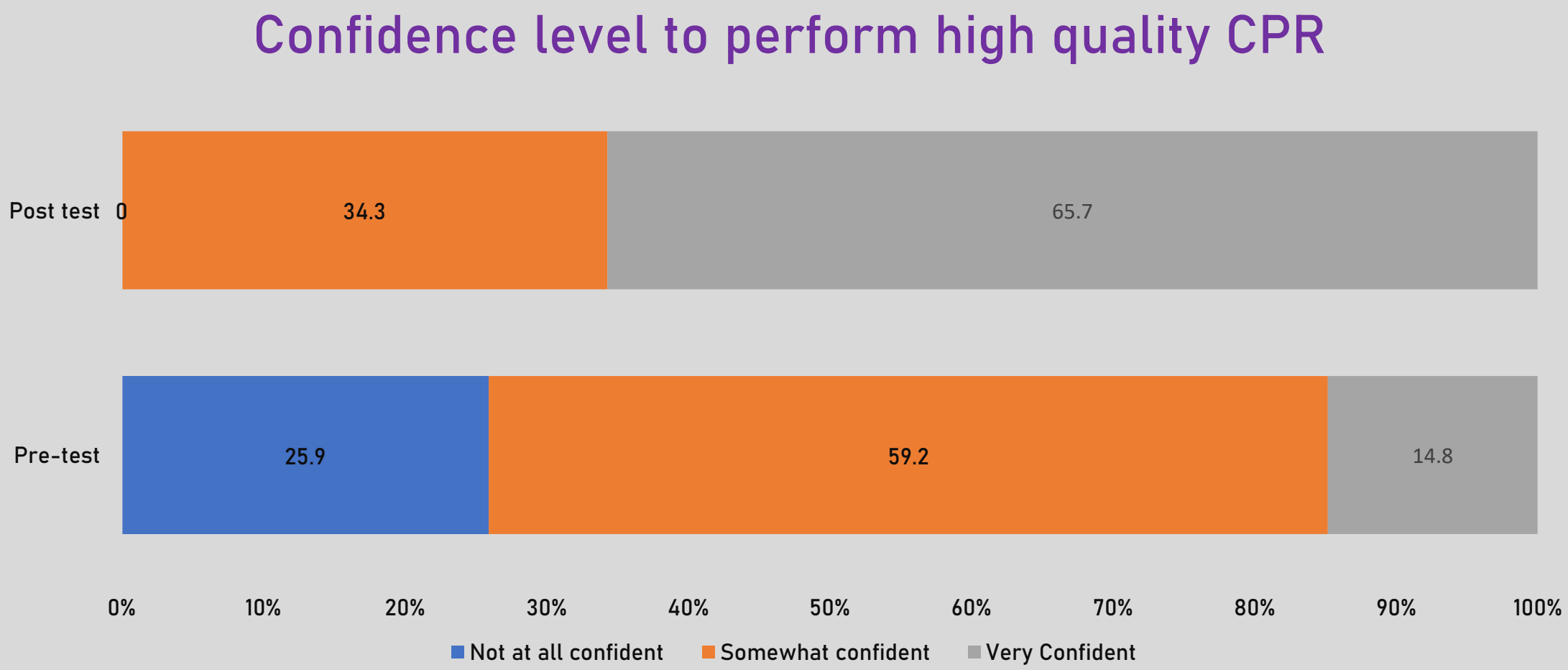
Ability of healthcare workers to obtain 12-Lead ECG



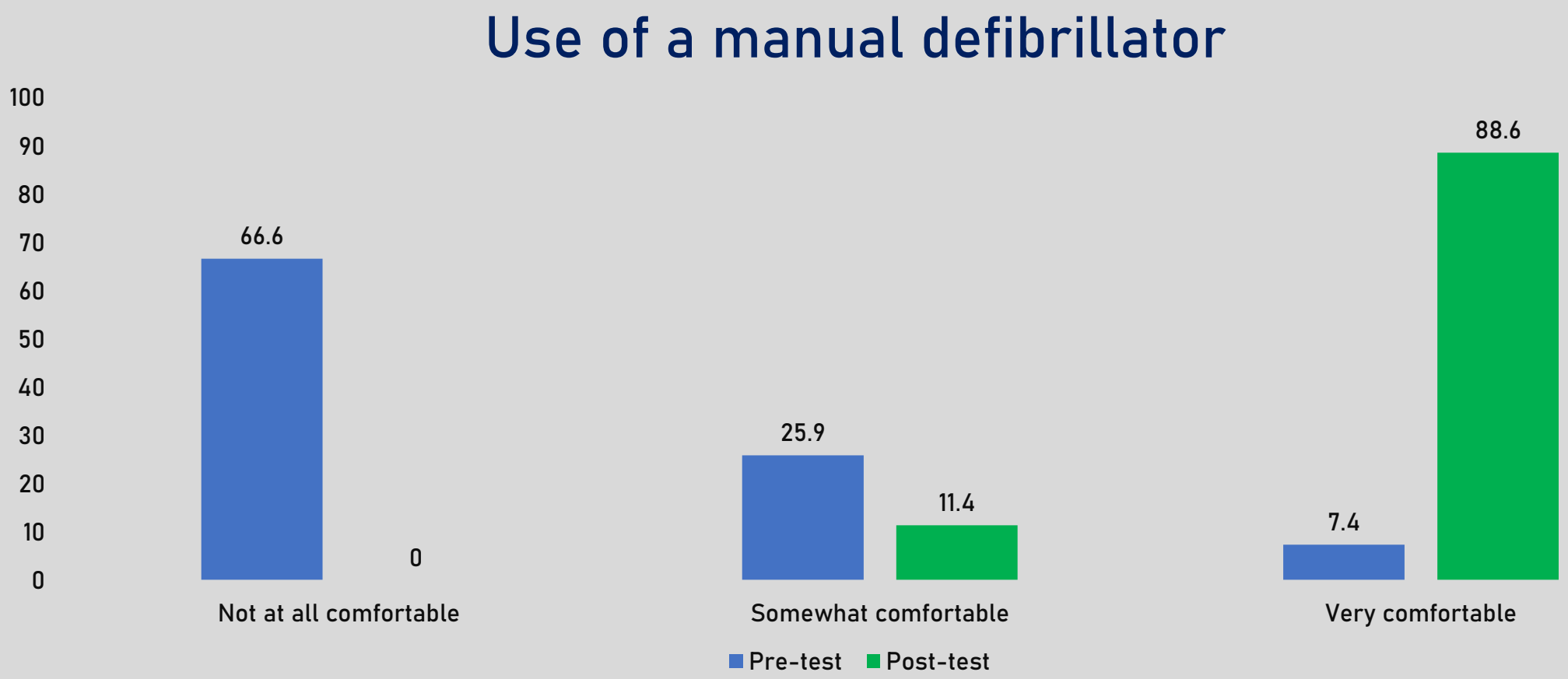
Pre and Post Test Impact analysis



Confidence level to perform high quality CPR



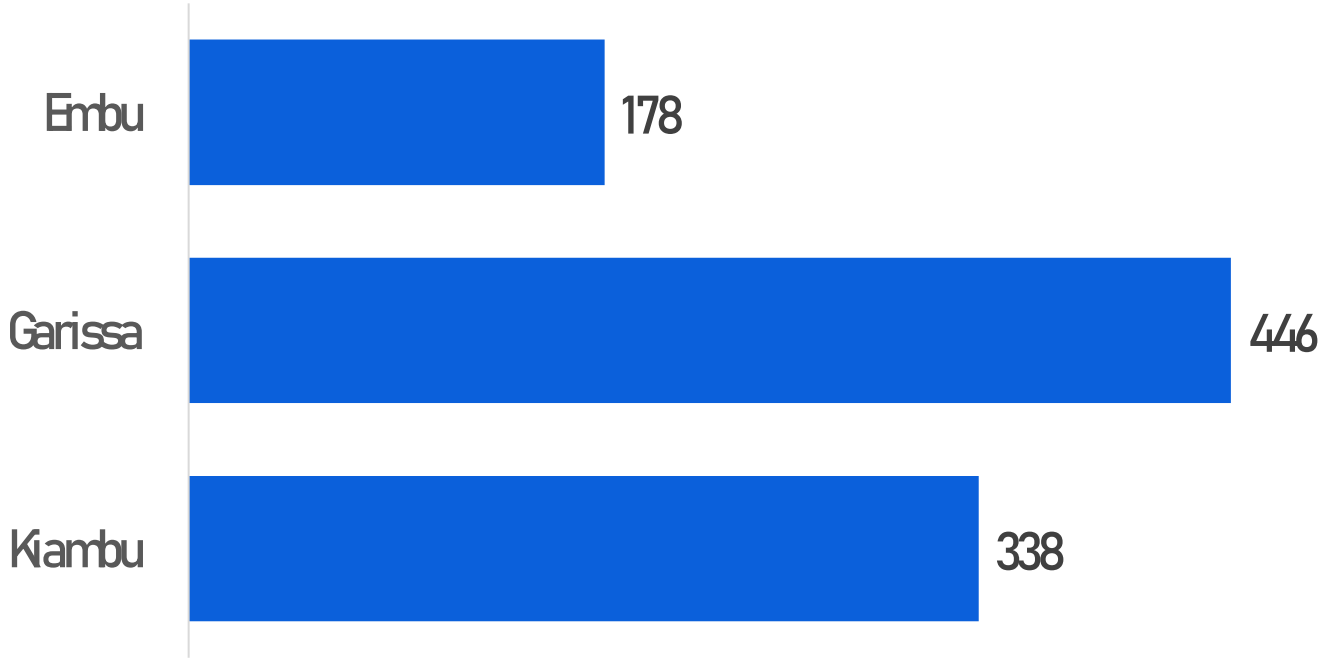
Use of a manual defibrillator

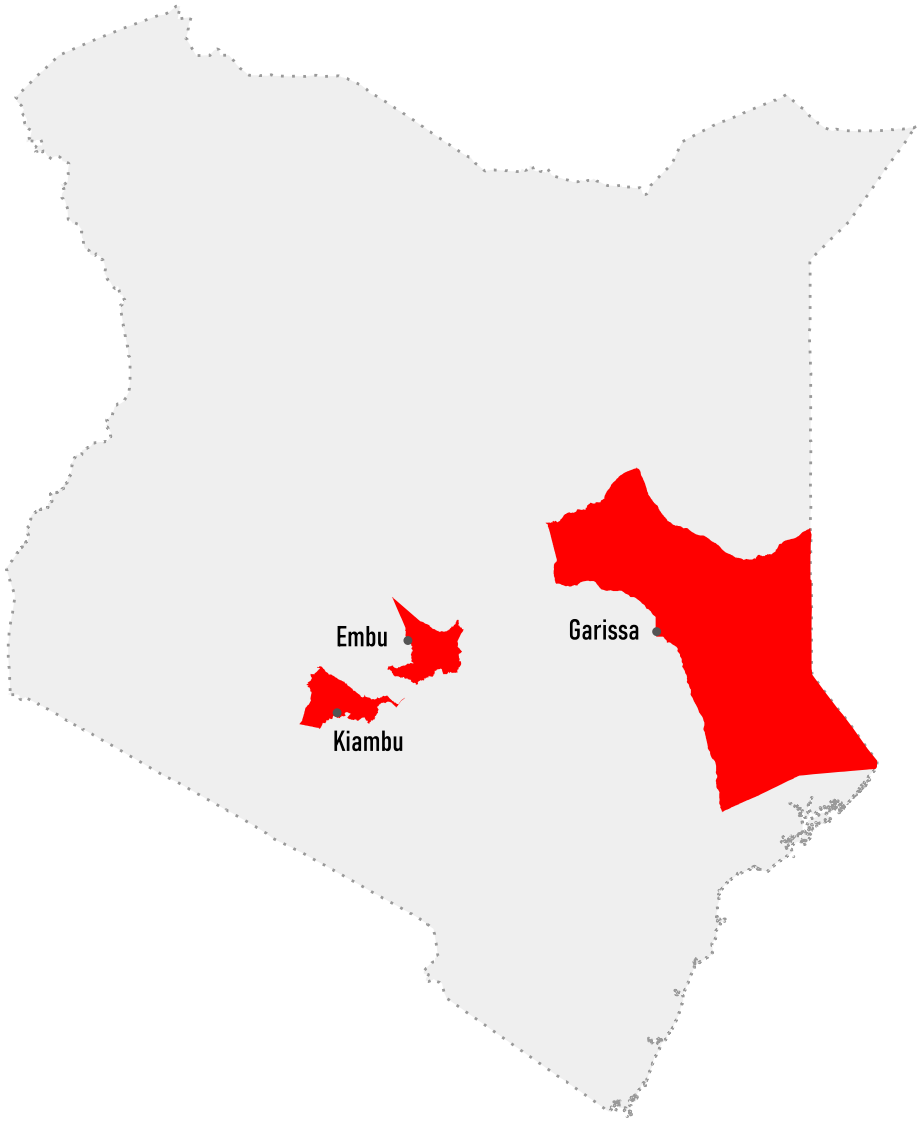


Outcomes Due to Training

Monitoring of Project (Indicators)

Number of ECGs done in the last 8 months





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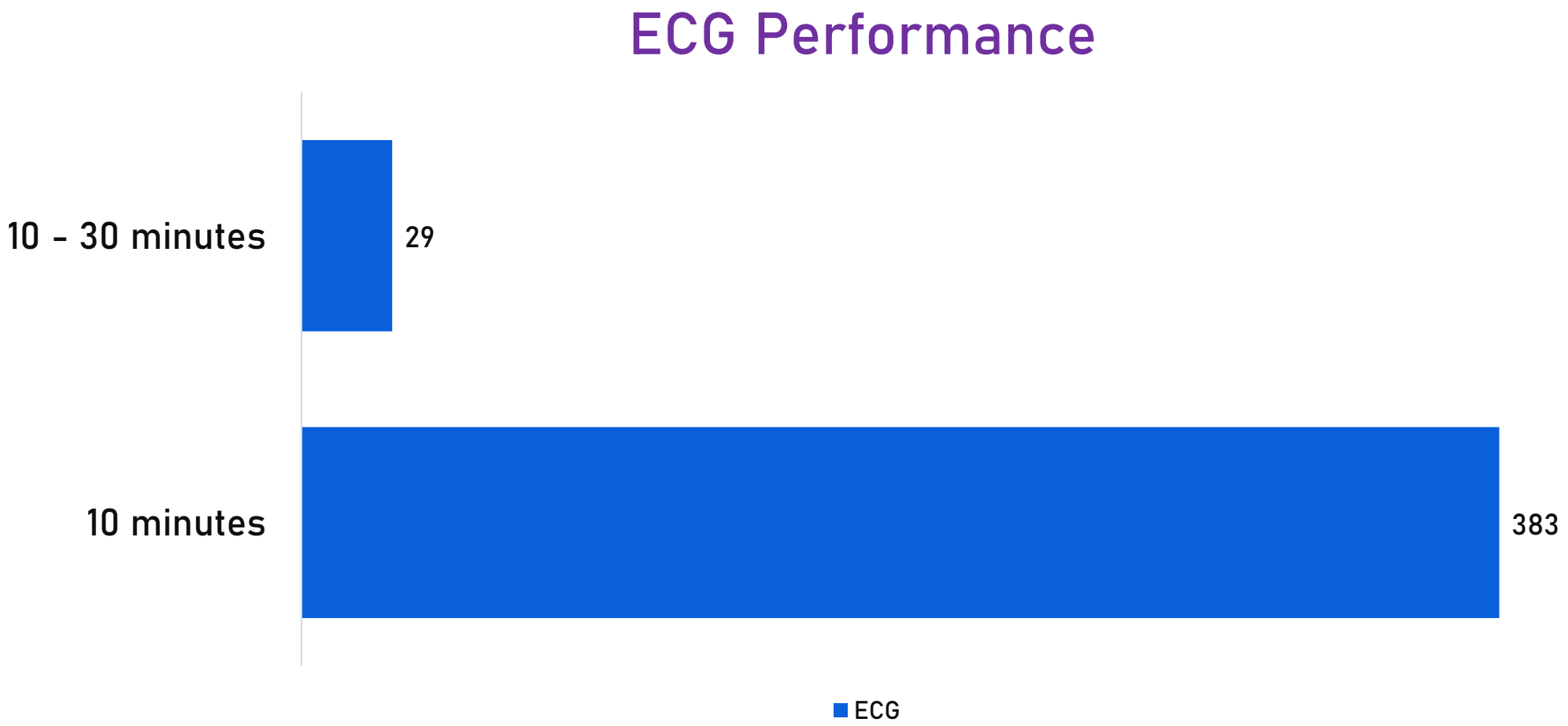
Time to ECG Performance



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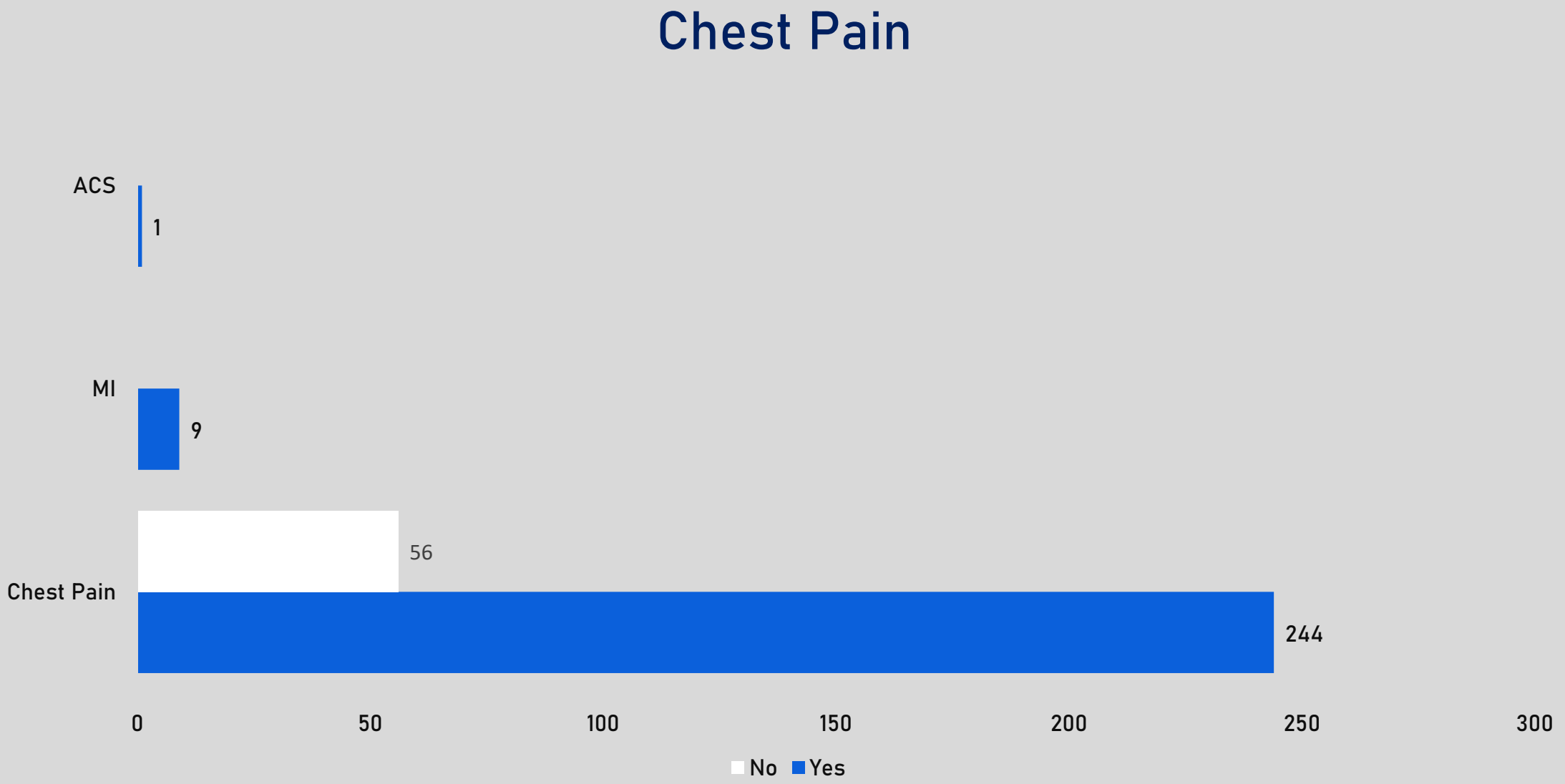
Patients Diagnosed with Chest Pain



Conclusion

- Training has conferred healthcare worker with the necessary skills of diagnosing and managing STEMI at level 5 and level 4 hospital

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Intubation of Patient

Healthcare workers in Garissa trained on proper intubation of patients in emergency situations

Basic Life Support Training for Health Care Workers

CHVs being trained on basic life support

Health Care team from Embu, Garissa and Kiambu

Thank You